

Item No.	Issue Date	Type	Description	Originator	Due Date	Status/ Impact	Responsible (Name, Org. and Phone Number)	Date Closed
1		Reqmts	Deletion of Quick Look Processing/Data for FOS and SDPS		12/31/94	In Work		
2		Reqmts	Removal of DAR processing from FOS		12/31/94	In Work		
3		Reqmts	Removal of DAR interface to FOS from SDPS (Leave in ASTER DARs)		12/31/94	In Work		
4		Reqmts	Add new Landsat-7 requirements		11/30/94	In Work Part of Negotiations for Change Order 1		
5		Reqmts	Update Appendix C to reflect current product set					
6		Reqmts	Update Appendix D to reflect current platforms/launch dates					
7		Reqmts	Update processing capacity requirements to reflect processing phasing					
8		Reqmts	Modification of the FOS requirements to reflect simplification (Particularly in Planning and Scheduling)					
9		Reqmts	Determine requirements for modified ORNL concepts		11/30/94	In Work Part of Negotiations for Change Order 1		
10		Reqmts	Modification of performance requirements to reflect actual needs and system throughput versus cost impacts (RMA, Response times, Throughput capacities)					
11		Reqmts	How is Level 0 data from COLOR on Landsat received by ECS?		12/31/94	In Work		

1		Ext I/F	The current concept is that the Landsat 7 project will not archive a backup copy of the Level 0R data. There are no ECS Level 2 requirements for ECS to provide a backup archive for Landsat 7 Level 0R data.		N/A	Closed. CO-1 negotiations do not include the requirement for ECS to backup Landsat-7 level-0R data.		
2		Ext I/F	Responsibility for the trans-Pacific link between the U.S. and Japan needs to be established.		Release A early I/F test. 1/96	Being worked by Andy Germain as part of the NASA-MITI Communications IRD.		
3		Ext I/F	Ownership of the "U.S. Gateway" or router(s) at JPL and Ames Research Center that will carry ESN traffic to Japan needs to be established. Who will ECS deal with if these routers fail?		N/A	Closed. Ownership of the U.S. Gateway is not an issue. Each U.S. network provider will use its own router to connect to the PSCN switch, just as at other sites. ESN will be responsible for monitoring its own router and interface.		
4		Ext I/F	This IRD assumes that product delivery will always be via postal delivery. The capability for delivering low volume data products (for instance, ancillary data, correlative data, or history data) electronically should be investigated.		SDPS Rel B CDR	Closed. Electronic delivery may provide better service.		
5		Ext I/F	Do these data exchanges (between the ASTER ICC and the EOC) require the Ecom level-of-service?		N/A	Closed. ASTER PIA specifies an Ecom level of service (between West Coast gateway and EOC at GSFC)		

6		Ext I/F	There are several trade studies ongoing in reference to the Level 1 architecture for processing ASTER Level 1 data. This IRD reflects the project baseline (Level 1a processing in Japan; all Level 1a data routinely provided to ECS on tape; Level 1b data available to ECS on request). Some of the in-progress trade studies address Level 1 processing capabilities in the U.S., and the handling of Ground Control Points (GCPs) and user-specified map projections.		Dec94 (2 months prior to Rel B RIR)	Waiting for NASA to complete their ASTER Level 1 processing architecture studies. Assume current requirements are valid. Change in requirements could affect release B development.		
7		Ext I/F	Action items have been assigned to ECS and ERSDAC to identify the specific SCF functions that apply to the ASTER GDS/ECS interface.		March 95	Closed. Resolved. Need to update ASTER IRD to identify specific SCF functions applicable to the ASTER GDS-ECS interface.		
8		Ext I/F	The ASTER ICC capability for transmitting real time command groups to the EOC is under study by ERSDAC. It is not essential for the ASTER GDS to implement a real time command capability since the ASTER operations concept is to normally operate the instrument via stored commands, and the EOC has the capability to perform real time commanding during anomaly situations. ERSDAC will notify ESDIS as soon as a decision is made with regard to implementing this capability in the ASTER GDS.		Dec 94 (FOS PDR) 12/12/94	Waiting for ERSDAC decision. Assume ECS must support this interface. Delays in ERSDAC decision could result in ECS implementing unnecessary function. Release A		

9		Ext I/F	The ASTER GDS currently does not have requirements to provide ASTER history log data to the ECS SDPS. ASTER GDS plans to permanently archive ASTER history data at the ASTER ICC. How this data will get to ECS, or if this information is really required at ECS needs to be investigated.		Feb 95 (Rel B RIR)	Need direction from ESDIS to verify need for ECS to archive ASTER history data.		
10		Ext I/F	The ASTER GDS currently does not have requirements to provide ECS with updated DAR status, when the status changes. ERSDAC's current concept is for ASTER GDS to provide DAR status to ECS only in response to an ECS DAR Status Request.			Closed. ECS users will have to request DAR status by DAR identification. Limits ECS user's capabilities to request ASTER DAR status. Release B		
11		Ext I/F	The current concept of the EOC using ASTER Activity List mnemonics to generate ASTER stored commands needs to be tracked and validated by ECS and ERSDAC. Also, it is possible that the ASTER instrument may have a command sequence which cannot be expressed in mnemonic format.			Closed. Additional mnemonics will be constructed to cover all required commands. Release B		
12		Ext I/F	Quick look data and Quick look products have been proposed for deletion.		11/30/94	Waiting for closure from ESDIS. Release B		
13		Ext I/F	ESDIS Version 0 IMS has not implemented product delivery status. The protocols and procedures for implementing product delivery status are unknown at this time.			Closed. Not an issue since there is no requirement to provide this interface. However, users will not be able to query the status of their product requests. Release A		

14		Ext I/F	Version 0 is currently implementing user authentication by passing authentication information with each user request for service (interfaces 1 through 4). ECS will not use the same protocols and procedures as developed by V0 for these interfaces.		Final V0 IMS ICD delivery 1/31/95	ICD issue. Release A		
15		Ext I/F	ECS may use a different implementation approach for guide and browse data (interfaces 16 through 19). The current V0 protocols and procedures may not be applicable if ECS uses a different implementation.		Final V0 IMS ICD delivery 1/31/95	ICD issue. Release A		
16		Ext I/F	The mechanism used for coordinating the migration of data (interface 32) needs further refinement		Final V0 IMS ICD and Data Mig. Plan delivery. 1/31/95	ICD issue. Also, the V0 Data Migration Plan will define migration details. Release A		
17		Ext I/F	ECS has no performance requirements for the interface between the ECS and the V0 System. However, operational interfaces for data migration may have some capacity requirements. Additional work is required to determine what performance requirements should be included.		Prior to CDR 1/31/95	V0 Data Migration Plan will contain results of migration analyses including operational requirements. Release A		

18		Ext I/F	Further implementation refinement is necessary for the exchange of Dependent Valids and Advertising Information between DAAC V0 IMS and ECS. Specifically, the following needs to be identified: metadata information, initiation mechanism, transfer mechanism (i.e. electronic), Dependent Valids and Advertising Information format, and frequency.		Final V0 ICD 1/31/95	ICD issue. Release A		
19		Ext I/F	How will interface performance requirements be documented?		Nov. 15, 1994	Closed. Performance requirements will be specified in IRDs. Rel A		
20		Ext I/F	The requirements to support EOSDIS users submitting DARs for IP instruments on IP spacecraft are to be defined.			Closed. Will deal with this topic when and if requirements are defined. Release B		
21		Ext I/F	The requirements to support IP users submitting DARs for U.S. instruments on U.S. spacecraft are to be defined.			Closed. Will deal with this topic when and if requirements are defined. Release B		